A. CLASSIF IPC 7	FICATION OF SUBJECT MATTER F02P5/15									
According to International Patent Classification (IPC) or to both national classification and IPC										
B. FIELDS	SEARCHED									
Minimum do IPC 7	cumentation searched (classification system followed by classification $F02P$	ation symbols)								
]	tion searched other than minimum documentation to the extent that									
Electronic da	ata base consulted during the international search (name of data b	base and, where practical, search terms used	1)							
EPO-In	ternal									
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT									
Category °	Citation of document, with indication, where appropriate, of the r	relevant passages	Relevant to claim No.							
Χ	EP 1 010 880 A (HONDA MOTOR CO L 21 June 2000 (2000-06-21) paragraphs '0103!,'0104!,'0114!-'0118!,'016 3; figures 10-12		1-4							
х	EP 1 079 089 A (TOYOTA MOTOR CO 28 February 2001 (2001-02-28) paragraphs '0155!-'0162!; figur		1-3							
X	US 5 492 094 A (DONA ALAN R ET 20 February 1996 (1996-02-20) claims 3,4; figures 3,4 column 3, line 39-41 column 5, line 64 column 6, line 1-3	AL)	1							
Funt	her documents are listed in the continuation of box C.	χ Patent family members are listed	in annex.							
*A* docume consider the considering of the country	ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another on or other special reason (as specified) sent referring to an oral disclosure, use, exhibition or means ent published prior to the international filing date but han the priority date claimed	<ul> <li>'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>'&amp;' document member of the same patent family</li> </ul>								
1	actual completion of the international search	Date of mailing of the international se	earch report							
L	January 2004									
Name and r	mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,	Authorized officer Ulivieri, E								



Internation Application No	
PCT/JP 03 337	

	Publication date		Patent family member(s)	Publication date
А	21-06-2000	JP EP US	2000179439 / 1010880 / 6276131 E	A2 21-06-20
A	28-02-2001	JP JP EP US	2001059443 A 2001090581 A 1079089 A 6505594 E	03-04-20 03-04-20 03-02-20
A	20-02-1996	DE DE EP	69619590 0 69619590 7 0747588 A	18-07-200
	A	A 21-06-2000  A 28-02-2001	A 21-06-2000 JP EP US  A 28-02-2001 JP JP EP US  A 20-02-1996 DE DE	A 28-02-2001 JP 2000179439 A 28-02-2001 JP 2001059443 A JP 2001090581 A EP 1079089 A US 6505594 B A 20-02-1996 DE 69619590 DE 69619590